



**EPA Office of Prevention, Pesticides, and Toxic Substances**

**How To Comply with the Worker Protection Standard  
for Agricultural Pesticides: What Employers Need to Know  
Unit 4, Part B: Special Application Restrictions in Nurseries and Greenhouses**

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## **PART B**

### **SPECIAL APPLICATION RESTRICTIONS IN NURSERIES AND GREENHOUSES**

The WPS requires additional restrictions during some pesticide applications in nurseries and greenhouses. This part describes those restrictions.

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## SPECIAL APPLICATION RESTRICTIONS IN NURSERIES

### BASIC RESPONSIBILITIES

(See Also Specific Duties Section Below)

**Worker employers** must make sure that, during certain nursery applications, **workers and other persons** do not enter treated areas on the nursery or, in some circumstances, do not enter areas that are near the treated area.

### SPECIFIC DUTIES

#### Application Restrictions on Nurseries

During any application described in column A of Table I, do not allow or direct any person, other than an appropriately trained and equipped handler, to be in the areas on the nursery specified in column B. After the application is finished and during the restricted-entry interval:

- keep workers out of the treated area (the area to which the pesticide was directed),
- you may allow workers in the areas just outside the treated area that were off-limits during the application.



**Table I**  
**Special Application Restrictions in Nurseries**

<b>COLUMN A</b> <b>While a Pesticide Is Being Applied:</b>	<b>COLUMN B</b> <b>Workers and Other Persons Are Prohibited in:</b>
<p>1. (a) Applied:</p> <ul style="list-style-type: none"> <li>■ Aerially, or</li> <li>■ In an upward direction, or</li> <li>■ Using a spray pressure greater than 150 pounds per square inch.</li> </ul> <p><i>or</i></p> <p>(b) Applied as a:</p> <ul style="list-style-type: none"> <li>■ Fumigant, or</li> <li>■ Smoke, or</li> <li>■ Mist, or</li> <li>■ Fog, or</li> <li>■ Aerosol.</li> </ul>	<p>Pesticide-treated area plus 100 feet in all directions on the nursery.</p>
<p>2. (a) Applied downward using:</p> <ul style="list-style-type: none"> <li>■ A height of greater than 12 inches from the planting medium; or</li> <li>■ A fine spray; or</li> <li>■ A spray pressure greater than 40 pounds per square inch and less than 150 pounds per square inch.</li> </ul> <p><i>or</i></p> <p>(b) Under circumstances other than (1)(a) or (1)(b) or (2)(a) above but for which the pesticide labeling requires the applicator to wear a respirator.</p>	<p>Pesticide-treated area plus 25 feet in all directions on the nursery.</p>
<p>3. In any other manner.</p>	<p>Pesticide-treated area.</p>

## SPECIAL APPLICATION RESTRICTIONS IN GREENHOUSES

### BASIC RESPONSIBILITIES

(See Also Specific Duties Section Below)

**Worker employers** must make sure that **workers and other persons** do not enter specific areas within the greenhouse during — and, in some instances, after — certain greenhouse applications.



### SPECIFIC DUTIES

#### Application Restrictions In Greenhouses

During any application described in column A of Table II, do not allow or direct person, other than an appropriately trained and equipped handler, to be in the specified in column B.

#### Ventilation Criteria for Greenhouses

1. After some types of pesticide applications listed in column A of Table II, you must make sure that adequate ventilation has occurred before you allow workers to enter the areas specified in column B. If column C indicates that ventilation restrictions apply, **make sure that one of the following ventilation criteria is met:**

- The concentration of the pesticide in the air is measured to be less than or equal to any inhalation exposure level required on the labeling.
- If no inhalation exposure level is listed on the labeling, keep workers out until after:
  - 10 air exchanges, or
  - 2 hours of ventilation using fans or other mechanical ventilating systems, or
  - 4 hours of ventilation using vents, windows or other passive ventilation, or
  - 11 hours with no ventilation followed by 1 hour of mechanical ventilation, or
  - 11 hours with no ventilation followed by 2 hours of passive ventilation, or
  - 24 hours with no ventilation.

2. **After ventilation criteria are met** and until the restricted entry interval expires:

- do not allow workers into the treated area (see Column D on Table II),
- you may allow workers to enter the areas just outside the treated area that were off-limits during the application.

<b>Table II</b> <b>Special Application Restrictions in Greenhouses</b>			
<b>COLUMN A</b> <b>When a Pesticide Is Applied:</b>	<b>COLUMN B</b> <b>Workers and Other Persons Are Prohibited in:</b>	<b>COLUMN C</b> <b>Until:</b>	<b>COLUMN D</b> <b>After the Expiration of Time in Column C Until the Restricted-Entry Interval Expires, the Entry-Restricted Area Is:</b>
1. As a fumigant.	Entire greenhouse plus any adjacent structure that cannot be sealed off from the treated area.	The ventilation criteria on the previous page are met.	No entry restrictions after criteria in column C are met.
2. As a <ul style="list-style-type: none"> <li>■ Smoke, or</li> <li>■ Mist, or</li> <li>■ Fog, or</li> <li>■ Aerosol.</li> </ul>	Entire enclosed area.	The ventilation criteria on the previous page are met.	Entire enclosed area is the treated area.
3. Under circumstances (other than in 1 or 2) for which the pesticide labeling requires the applicator to wear a respirator.	Entire enclosed area.	The ventilation criteria on the previous page are met.	Pesticide-treated area.
4. Other than in 1, 2, or 3, but: <ul style="list-style-type: none"> <li>■ From a height of greater than 12 in. from the planting medium, or</li> <li>■ As a fine spray, or</li> <li>■ Using a spray pressure greater than 40 pounds per square inch.</li> </ul>	Pesticide-treated area plus 25 feet in all directions within the entire enclosed area.	Application is complete.	Pesticide-treated area.
5. In any other manner.	Pesticide-treated area.	Application is complete.	Pesticide-treated area.